

Technical Data Codex 3500 DSU/CSU

For HP Remote Bridge and Multiplexer
Product Number
CODX-3500

Codex 3500 combines the functionality of multiple digital transmission devices into a single, high compact unit. It supports digital transmission requirements in a broad range of operating environments, from 2.4 Kbps to 56 Kbps. It can be connected with HP2335A multiplexer, HP remote bridge, or HP router to transmit data via DDS facilities from central sites to remote sites. The Technical Information Guide (TIG) will show how this DSU/CSU can be configured and connected to work with HP systems.

- † Versatile, cost-efficient DSU/CSU that can meet a wide range of digital transmission speeds and applications
- † Combines all data rates in a single unit; supports 2.4, 4.8, 9.6, 19.2, and 56 Kbps
- † Unique rate adaptation function permits use of lower priced digital services
- † Enables diagnostic testing of local and remote units in both point-to-point and multipoint configurations
- † Integral timing buffer reduces data errors caused by timing variations between different digital services
- † Supports asynchronous to synchronous conversion up to 19.2 Kbps
- † Fully tested and qualified to be compatible with HP networking systems

Functional Description

The Codex 3500 was tested and qualified to be compatible with HP computers and networking systems. Among the tested configurations include the link from central host computer to remote site via the combination of HP remote bridge and DSU/CSU over DDS, the link from central site to remote site via the combination of HP router and DSU/CSU over DDS, and from central site to remote site via HP 2335A multiplexer and DSU/CSU over DDS. Refer to the

Technical Information Guide (TIG) for more technical information on how to configure the modem with HP systems and other considerations.

Note: To connect the DSU/CSU to HP remote bridge, a DB25(M) to V.35(M) DTE cable is needed (order number: CODX-77999). To connect the DSU/CSU to HP router, a DB25(M) to V.35(F) DTE cable is needed (order number: CODX-48523).

HP Hardware Supported

DSU/CSU will function with the following HP products:

- | HP 3000
- | HP 9000
- | HP 2335A mux
- | HP 28674A Remote Bridge
- | HP Router

Control Panel Tests

- | Self Test
- | BER Test
- | Digital Loopback
- | Terminal Loopback
- | Remote Loopback

Specifications

Operation: Full-duplex, asynchronous/synchronous, point-to-point or multipoint DSU/CSU

Data Rates: 56 Kbps, 19.2, 9.6, 4.8, 2.4 Kbps with DDS-I

Customer Interface: User selectable EIA 232 or V.35. 25-pin interface connector

Line Requirements: DATAPHONE Digital Service DDS-I

Line Interface: RJ48 modular

Dimensions:

Width: 6.6 in
Height: 2.3 in
Depth: 9.6 in
Weight: 2.5 lbs

Power Requirements:

115 Volts AC, 60 Hz, 10 watts maximum

Operating Temperature:

0 β to 50 β C (32 β to 122 β F)

Storage Temperature:

-40 β to 70 β C (-40 β to 158 β F)

Relative Humidity:

5% to 95% non-condensing

Safety approval:

UL approved, FCC Class A

Ordering Information

CODX-3500 Codex 3500 Standalone DSU/CSU
CODX-77999 DB25(M) to V.35(M) cable (for HP remote bridge)
CODX-48523 DB25(M) to V.35(F) cable (for HP router)

Technical Support

Provided by Codex at (800) 544-0062

Technical Information

Refer to Technical Information Guide (TIG). (LDC order number:
5091-0837EUS)